

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. - 18. (canceled)

19. (previously presented) A dispensing apparatus capable of delivering quantities of a liquid product, comprising:

a housing having a main body releasably attached to a front body, wherein the main body and the front body form an internal cavity having a main cavity, a drive cavity, an output cavity and two input cavities;

a disposable insert having a chamber, a first portion, a second portion, and a first and a second input channel wherein the disposable insert conformally fits within the internal cavity of the housing, wherein a first component liquid is delivered through the first input channel to the chamber, and a second component liquid is delivered through the second input channel to the chamber, the first and second input channels disposed to hinder interaction between the first component liquid and the second component liquid in either input channel; and

at least one feed screw having a helical thread disposed in the chamber, wherein rotation of the at least one feed screw mixes the first and second component liquids to form a liquid product and discharges a precise amount of the liquid product from the chamber.

20. (previously presented) The dispensing apparatus of claim 19, wherein the disposable insert is removable from the housing.

21. (original) The dispensing apparatus of claim 19, wherein the housing further comprises a locking mechanism and a hinge mechanism coupling the main body to the front body.

22. (previously presented) The dispensing apparatus of claim 19, further comprising a disposable dispenser tip in liquid communication with the chamber.

23. (previously presented) The dispensing apparatus of claim 19, wherein the first and second input channels extend radially from the chamber where one input channel is closer to the first portion than the second input channel and the first and second input channels are separated by at least a distance sufficient to preclude interaction, in either input channel, of the first and second component liquids.

24. (original) The dispensing apparatus of claim 19, wherein one input channel descends to the chamber and the second input channel ascends to the chamber, wherein the two input channels are attached to the chamber at a common location and the angle formed by the two input channels is acute.

25. (previously presented) The dispensing apparatus of claim 19, wherein the first and second input channels further comprise an inlet end attached to the chamber and a storage end, wherein a storage reservoir is mounted to the storage end of each input channel.

26. (previously presented) The dispensing apparatus of claim 19, wherein the chamber further comprises a third portion having smoothly varying tapered internal walls, wherein the third portion has a first diameter near the first portion and a second diameter near the second portion wherein the first diameter is greater than the second diameter; and wherein the helical threads of the at least one feed screw are in sliding contact with the internal walls of the third portion of the chamber.

27. (original) The dispensing apparatus of claim 26, wherein the at least one feed screw further comprises helical threads having a linear pitch.

28. (previously presented) The dispensing apparatus of claim 19, wherein the at least one feed screw further comprises two feed screws having helical threads.

29. (original) The dispensing apparatus of claim 28, wherein the chamber further comprises a third portion having a barrel body having two partly overlapping cylindrical bores and the two feed screws are rotatably supported in the two partly overlapping cylindrical bores of the barrel body.

30. (original) The dispensing apparatus of claim 29, wherein the two partly overlapping cylindrical bores have a region of overlap and the two partly overlapping cylindrical bores having internal walls that are substantially parallel, wherein the helical threads of the two feed screws are in sliding contact with the internal walls of the third portion of the chamber and where the helical threads of the two feed screws are intermeshing in the region of overlap.

31. (original) The dispensing apparatus of claim 29, wherein the two feed screws further comprise helical threads having a variable pitch that decreases as the helical threads approach the second portion of the chamber.

32. (previously presented) The dispensing apparatus of claim 28, wherein the chamber further comprises a third portion having a barrel body having two non-overlapping cylindrical bores having internal walls that are substantially parallel and the two feed screws are rotatably supported in the two non-overlapping cylindrical bores of the barrel body, wherein the helical threads of the two feed screws are in sliding contact with the internal walls of the third portion of the chamber and wherein the helical threads of the two feed screws are non-intermeshing.

33. - 35 (canceled)